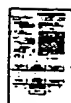


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Patent Plaques



JP7116519A: EXHAUST GAS
PURIFYING MATERIAL AND
PURIFYING METHOD OF EXHAUST
GAS

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Abstract: **Purpose:** To obtain an exhaust gas purifying material having sufficient adsorption sites for NOx and capable of efficiently purifying NOx by forming the purifying material from a porous filter and a catalyst supported on the surface of the filter having a perovskite structure expressed by a specific formula.

Constitution: The exhaust gas purifying catalyst consists of the porous filter and the catalyst supported on the surface of the filter and having the perovskite structure, the chemical formula of which is expressed by the formula 1. In the formula, A is at least one kind of element selected from among lanthanum, strontium, cerium, barium or calcium, B is at least one kind of element selected from among cobalt, iron, nickel, chromium, manganese or magnesium, C is at least one kind element selected from between platinum and palladium and $0.05 \leq x \leq 0.2$. The perovskite structure is a structure expressed by the formula 1, which is made by incorporating C element in crystal lattice B site having simple cubic structure expressed by ABO_3 .

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